



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: RUECKES, et al.

Application No.: 10/774,682

Filed: February 9, 2004

For: Nanotube Films and Articles

Group Art Unit: 2811

Examiner: To Be Assigned

Attorney Docket No.: 112020.129 US2 NAN-6

CERTIFICATE OF MAILING (37 C.F.R. § 1.8 a)

I hereby certify that this correspondence is being deposited with the United States Postal Service under 37 CFR 1.8a and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on November 24, 2004.

By: Tina M. Dougal
Tina M. Dougal

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97-98, and M.P.E.P. § 609, Applicants hereby enclose Forms PTO-1449 that includes publications that have previously been cited in a prior patent application Serial No. 10/128,118 filed April 23, 2002, now U.S. Patent No. 6,706,402 issued March 16, 2004, from which the above application claims priority under 35 U.S.C. §120. With the exception of the following list of publications identified below, pursuant to 37 C.F.R. § 1.98(d), no further copies of the previously cited art are enclosed.

New U.S. Patents/Publications Not Previously Listed
(Copies not required and not enclosed herewith)

US-2003/0124837
US-2003/0108480
US-2003/0165074
US-2003/0124325
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Tina M. Dougal
4/15/2005

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US-3,970,887
US-5,216,631
US-6,100,109
US-6,443,901
US-6,541,309
US-6,586,965
US-6,611,033
US-5,161,218
US-5,909,624
US-6,643,165
US-6,784,028
US-6,706,402
US-6,443,901
US-6,333,016
US-6,354,133
US-6,515,339

Enclosed Publications

A1	Winslow, Troy. "Advanced+ Boot Block World's First 0.18-Micron Flash Memory." <i>Flash Products Group</i> . April 17, 2000.
A2	"Double Sided 4Mb SRAM Coupled Cap PBGA Card Assembly Guide." <i>International Business Machines Corp. (IBM)</i> , 1998.
A248	Dai, Hongjie. "Controlled Chemical Routes to Nanotube Architectures, Physics, and Devices." <i>The Journal of Physical Chemistry B</i> (1999); 103: 11246-11255.
A249	Colomer, J.-F., et al., "Characterization of Single-Walled Carbon Nanotubes Produced by CCVD Method." <i>Chemical Physics Letters</i> (2001); 345, 11-17.
A251	Cassell, A., et al., "Large Scale Synthesis of Single-Walled Carbon Nanotubes." <i>The Journal of Physical Chemistry B</i> (1999); Vol. 103, No. 22: 6484-6492.
A258	Homma, Y., et al., "Growth of Suspended Carbon Nanotube Networks on 100nm-Scale Silicon Pillars." <i>Applied Physics Letters</i> . (2002); Vol. 81 No. 12, 2261-2263.
A260	Kong, J., et al., "Syntheses of Individual Single-Walled carbon Nanotubes on Patterned Wafers." <i>Nature</i> (1998); 395: 878-881.
A263	Peigney, A., et al., "A Study of the Formation of Single-and-Double-Walled carbon Nanotubes by a CVD Method." <i>The Journal of Physical Chemistry B</i> (2001); 105: 9699-9710.
A264	Franklin, N., et al., "Integration of Suspended Carbon Nanotube Arrays into

Milt D. Schlesinger 4/15/2005

	Electronic Devices and Electrochemical Systems." <i>Applied Physics Letters</i> (2002); Vol. 81 No. 5, 913-905.
A267	Reuckes, T., et al., "Carbon Nanotube-Based Nonvolatile Random Access Memory for Molecular Computing." <i>Science</i> , vol. 289, 94-97, July 7, 2000
A269	Soh, et al., "Integrated Nanotube Circuits: controlled growth and ohmic contacting of single-walled carbon nanotubes", <i>Applied Physics Letters</i> , August 2, 1999, Vol. 75, No. 5, 627-629
A276	Snow, E.S. et al., "Random Networks of Carbon Nanotubes as an Electronic Material." <i>Applied Physics Letters</i> , March 31, 2003, Vol. 82, No. 13, 2145-2147.
A277	Bernholc et al., "Mechanical and Electrical Properties of Nanotubes", <i>Annu. Rev. Mater. Res.</i> , 32 (2002) 347.

Enclosed Foreign Patents/Applications

EP 0296716 A3

EP 0665187 B1

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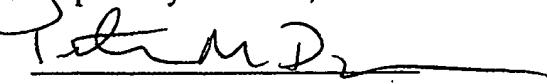
EP 1061040 A1

EP 1061043 A1

It is respectfully requested that the information above be expressly considered and that the publications be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

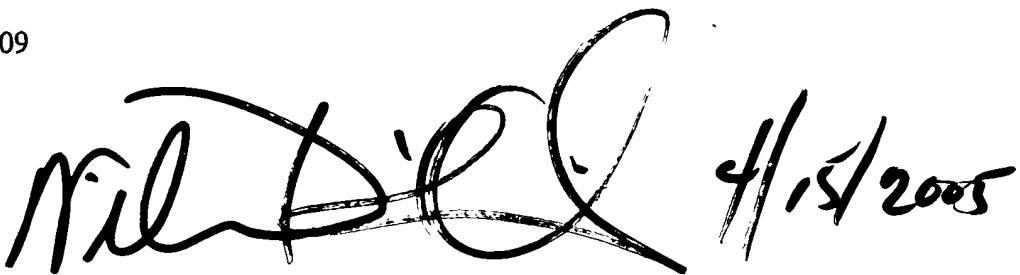
As this paper is being filed prior to the issuance of a first Office Action on the merits, and pursuant to 37 C.F.R. § 1.97(b)(3), no fee is believed to be due. In the event a fee is due, the Commissioner is authorized to charge any fee deficiency or credit any overpayment to Deposit Account No. 08-0219.

Dated: November 24, 2004

Respectfully submitted,


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<p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i> MAR 9 2005</p>		Application Number	10/774,682
		Filing Date	February 9, 2004
		First Named Inventor	Rueckes et al.
		Art Unit	2811
		Examiner Name	TBA
		Sheet	1
		Attorney Docket Number	
		112020.129US2 NAN-6	

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ^{2(if known)}			
		US-6,495,258	12/17/2002	Chen et al.	
		US-6,443,901	09/03/2002	Fraser, J.D.	
		US-6,361,861	03/26/2002	Gao et al.	
		US-6,322,713	11/27/2001	Choi et al.	
		US-6,031,711	02/29/2000	Tennent et al.	
		US-5,346,683	09/13/1994	Green et al.	
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ^{2(if known)}			

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

Examiner Signature *ml* Date Considered *4/15/2005*

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PTO/SB/08A (08-03)

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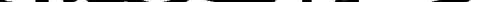
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(Use as many sheets as necessary)

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Examiner Name To Be Assigned

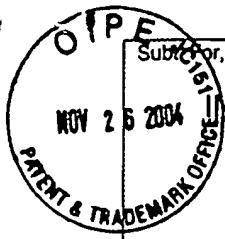
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Subior, PTO-1449

**INFORMATION DISCLOSURE
IN AN APPLICATION**
(Use several sheets if necessary)

Sheet	1	OF	40

Docket Number 112020.129US2 NAN-6	Application Number 10/774,682
Applicant SEGAL, Brent M., et al.	
Filing Date February 9, 2004	Group Art Unit 2811

U.S. Patent Documents				
Examiner Initial	Document No.	Publication Date mm-dd-yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	US-5,346,683	09/13/1994	Green et al.	
	US-5,424,054	06/13/1995	Bethune et al.	
	US-5,456,986	10/10/1995	Majetich et al.	
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EXAMINER <i>miles</i>	DATE CONSIDERED <i>9/15/05</i>
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Subt. For, PTO-1449				Docket Number 112020.129US2 NAN-6	Application Number 10/774,682
INFORMATION DISCLOSURE IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Applicant SEGAL, Brent M., et al.	
Sheet	2	OF	40	Filing Date February 9, 2004	Group Art Unit 2811

U.S. Patent Documents				
Examiner Initial	Document No.	Publication Date mm-dd-yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
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U.S. Patent Documents				
Examiner Initial	Document No.	Publication Date mm-dd-yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
✓	US-5,850,089	12/15/1998	Varshney et al.	
✓	US-5,850,231	12/15/1998	Orimoto et al.	
✓	US-6,025,618	02/15/2000	Chen	
✓	US-6,044,008	03/28/2000	Choi	
✓	US-6,128,214	10/03/2000	Kuekes et al.	
✓	US-6,159,620	12/12/2000	Heath et. al.	
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✓	US-5,846,849	12/08/1998	Shaw et al.	
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✓	US-5,878,840	03/09/1999	Tessum et al.	
✓	US-5,914,553	06/22/1999	Adams et al.	
✓	US-5,939,785	08/17/1999	Klonis et al.	
✓	US-6,051,866	04/18/2000	Shaw et al.	
✓	US-6,259,277 B1	07/10/2001	Tour et al.	
✓	US-5,640,343	06/17/1997	Gallagher et al.	
✓	US-5,650,958	06/22/1997	Gallagher et al.	
✓	US-5,793,697	08/11/1998	Scheuerlein	
✓	US-5,841,692	11/24/1998	Gallagher et al.	
✓	US-5,930,164	07/27/1999	Zhu	
✓	US-5,946,228	08/31/1999	Abraham et al.	
✓	US-6,052,263	04/18/2000	Gill	
✓	US-6,072,718	06/06/2000	Abraham et al.	
✓	US-6,104,633	08/15/2000	Abraham et al.	
✓	US-6,166,948	12/26/2000	Parkin et al.	

EXAMINER 	DATE CONSIDERED <i>4/15/2005</i>
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Subt. For, PTO-1449

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112020.129US2
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SEGAL, Brent M., et al.

Filing Date

February 9, 2004

Group Art Unit

2811

Sheet

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OF

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U.S. Patent Documents				
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	US-6,219,212 B1	04/17/2001	Gill et al.	
	US-4,701,842	10/20/1987	Olnowich	
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	US-4,495,511	01/22/1985	Yoder	
	US-4,510,016	04/9/1985	Chi et al	

EXAMINER

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	US-4,673,474	06/16/1987	Ogawa	
	US-4,707,197	11/17/1987	Hensel et al.	
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	US-4,901,121	02/13/1990	Gibson et al.	
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	US-5,563,424	10/08/1996	Yang et al	
	US-5,589,692	12/31/1996	Reed	
	US-5,739,057	04/14/1998	Tiwari et al.	
	US-5,747,180	05/05/1998	Miller et al.	
	US-5,751,156	05/12/1998	Muller et al.	
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	US-6,144,481	11/07/2000	Kowarz, et al	
	US-3,740,494	06/19/1973	Dunand et al.	

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<i>[Signature]</i>	<i>4/15/05</i>
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Examiner Initial	Document No.	Publication Date mm-dd-yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
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Examiner Initial	Document No.	Publication Date mm-dd-yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
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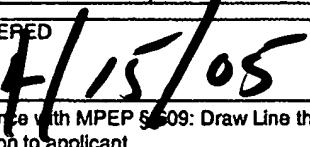
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U.S. Patent Documents				
Examiner Initial	Document No.	Publication Date mm-dd-yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
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Examiner Initial	Document No.	Publication Date mm-dd-yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
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Subt. For, PTO-1449				Docket Number 112020.129US2 NAN-6	Application Number 10/774,682
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U.S. Patent Documents				
Examiner Initial	Document No.	Publication Date mm-dd-yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
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Subt. For, PTO-1449				Docket Number 112020.129US2 NAN-6	Application Number 10/774,682
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Foreign Patent Documents				
Examiner Initial	Document No.	Publication Date mm-dd-yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
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Foreign Patent Documents				
Examiner Initial	Document No.	Publication Date mm-dd-yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
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Examiner Initial	Document No.	Publication Date mm-dd-yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
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Examiner Initial	Document No.	Publication Date mm-dd-yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
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	JP 11-011917	01/19/1999	Canon, Inc.	
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<i>BS</i>	<i>7/15/05</i>
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Examiner Initial	Document No.	Publication Date mm-dd-yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
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Examiner Initial	Document No.	Publication Date mm-dd-yyyy	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
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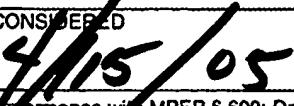
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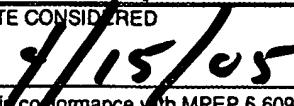
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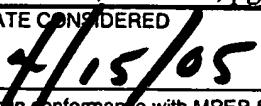
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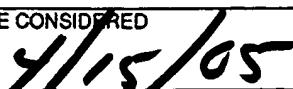
Subt. For, PTO-1449				Docket Number 112020.129US2 NAN-6	Application Number 10/774,682
INFORMATION DISCLOSURE IN AN APPLICATION (Use several sheets if necessary)				Applicant SEGAL, Brent M., et al.	
Sheet	38	OF	40	Filing Date February 9, 2004	Group Art Unit 2811

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